



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

April 26, 2018

FedEx Tracking #: 7720 9437 2710

Resent to Owner's Alternative Address on May 10, 2018.

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP)

FedEx Tracking #: 7722 0388 4214

Ex. 6 Personal Privacy (PP)

July 18, 2018.

**Re: Vapor Intrusion Indoor Air Sampling Results – Elevated TCE Levels Measured
Request to Re-Sample
Residential Building # 226 Ex. 6 Personal Privacy (PP) Sunnyvale, CA 94085
Philips, Advanced Micro Devices 901-902, TRW Microwave Superfund Sites (“Triple Site”)**

Dear Ex. 6 Personal Privacy (PP)

Thank you for your cooperation and participation in the U.S. Environmental Protection Agency's (EPA) vapor intrusion indoor air sampling investigations in Sunnyvale, California. This letter confirms in writing the results of EPA's indoor air sampling for trichloroethene (TCE), conducted at your rental building in March 2018. We sent you an e-mail with your results on March 29, 2018, communicating that the TCE results from your building were elevated and requesting your permission to re-sample. We then attempted to call you on April 2, 2018 but after you answered the phone, the line was disconnected. We next called you on April 24, 2018 to communicate your sampling results and left a voicemail message, requesting permission to re-sample your building. To date we have not heard back from you authorizing re-testing at your building.

Your TCE Indoor Air Results: EPA considers TCE levels below 2.0 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to be health protective. Elevated levels of TCE were detected in your building (up to $2.9 \mu\text{g}/\text{m}^3$) which do not meet EPA's requirements for being protective of the health of your tenants.

Your sampling results suggest that some vapor intrusion may be occurring, but further investigation is necessary to confirm these findings. In addition, because your property is in close proximity to nearby homes and school buildings with higher levels of TCE and where mitigation systems were installed to prevent harmful TCE vapors from accumulating indoors, we would like to test your building as soon as possible to confirm these findings.

During this next sampling event we strongly urge you to reconsider your previous direction to us and permit the placement of samplers in other ground-floor apartments. We would also like to conduct a brief survey with tenants, as is EPA's approach at all of the other buildings we have sampled in the neighborhood. Information from the tenant interviews and from multiple samples in a large building helps us to rule out potential indoor sources of TCE, such as remodeling activities, dry cleaning, and/or crafting materials and better understand where and how vapors may be entering the building.

Background on EPA Investigation: EPA has been investigating the potential for vapor intrusion – a process where vapors from historic releases to groundwater may migrate inside buildings – in the East Duane / San Miguel Avenue neighborhood.

Please be aware that your drinking water is not affected by contaminants in groundwater. Your water for drinking, bathing and watering gardens comes from the Hetch Hetchy Reservoir in the Sierra Nevada Mountains and is tested to ensure that it meets all state and federal drinking water standards.

Health Protection Goals: EPA's goal for Superfund site-related chemicals is to keep exposures as low as reasonably possible. EPA considers the safe range of TCE concentrations for residents to be below 2.0 µg/m³ (the short-term screening level). When an indoor air sample is collected and shows a concentration above the long-term screening level (0.48 µg/m³) but below 2.0 µg/m³, EPA uses this information to decide whether additional sampling or response actions are necessary, to confirm that levels continue to remain protective over time. More information about TCE can be found at this website:

<http://www.atsdr.cdc.gov/toxfaqs/tf.asp?id=172&tid=30>

More About Your Results: Elevated levels of TCE were measured in your building which exceed EPA's health protective standard of 2.0 µg/m³. The table below summarizes the sampling results for your building.

Sample Location	TCE Concentrations (micrograms per cubic meter or µg/m ³)
	March 2018 (24-Hour)
Apartment 1 Indoor Air Sample (Living Room)	2.9
Outdoor Air Sample* – During your testing period	Not detected
Neighborhood Outdoor Air	Non-detectable to 1.7
	(Range of outdoor air samples in the neighborhood since January 2015)
EPA Screening Levels	
Short-term Screening Level	2.0
Long-term Screening Level	0.48

* Outdoor air sampler was placed away from the property per property owner's request.

Outdoor Air Quality: Often, the air quality inside a home will be similar to outdoor air quality. In a vapor intrusion investigation, it is important to determine whether indoor air quality is linked to outdoor air quality or whether air inside the home is affected by vapor intrusion. When outdoor air enters a building through open windows or air conditioning/heating systems, particles or pollutants that are present outside will naturally be carried into the home. In urban areas, these pollutants typically come from cars, trucks, and industrial facilities and can vary over time. While TCE levels have varied throughout the course of EPA's investigation, TCE was not detected in the outdoor air sample collected during your sampling period and did not interfere with your indoor sampling results.

TCE Vapor Intrusion Findings: Your sampling results do not meet EPA's requirements for being protective and show potential evidence of vapor intrusion. **EPA would like to re-test your building again as soon as possible to confirm your results and develop a recommendation for next steps.**

Next Steps: We will contact you again after you have had an opportunity to review this letter and hope to arrange another round of sampling with you shortly. In the meantime, if you have any questions, please contact me at (415) 972-3050 or by e-mail to morash.melanie@epa.gov. You may also contact EPA's Community Involvement Coordinator, Alejandro Diaz, who is fluent in Spanish, at (415) 972-3242 or by e-mail to diaz.alejandro@epa.gov.

Thank you again for your cooperation and participation in this air sampling investigation.

Sincerely,

Melanie Morash

Melanie Morash, EPA Project Manager